

STATEMENT OF BASIS (AI No. 5796)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0116459 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Bertucci Industrial Services, LLC
Mississippi River Operations (1)
P.O. Box 10507
Jefferson, LA 70181

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Yvonne Baker

DATE PREPARED: January 15, 2008

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. NPDES permit - NPDES permit effective date: N/A
NPDES permit expiration date: N/A
EPA has not retained enforcement authority.

C. LPDES permits - LA0116459
LPDES permit effective date: January 1, 2003
LPDES permit expiration date: December 31, 2007

D. Date Application Received: December 28, 2007

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - mobile barge/ship cleaning operation

This facility cleans dry bulk cargo ships and barges containing: Grains, Food Additives and other Biological Feedstocks (Soybean Meal, Corn Gluten Feed Pellets, Expeller By Products, Corn Distiller Grain Meal, Beet Pulp Pellets, Soyhulls, Soyhull Pellets, Rice Bran, Peanut Meal, Corn, Soybeans, Rice, Oats, Fish Meal, Meat and Bone Meal, Wheat, Millet, Sorghum, Barley, Wheat Gluten), Pig Iron, Iron Ores to include Direct Reduced Iron (Sinter Feeds, Pellets, Briquettes, Ilmenite), Minerals (Fluorspar, Barite, Bauxite, Silica, Graphite, Manganese, Zinc, Limestone), Food Products (Sugar, Salt), Ferro Alloys (Ferro Manganese, Ferro Silicon, Silico Manganese, Ferro Chrome), Concentrates (Zinc, Lead, Copper), Scrap (Stainless, Ferrous), Aluminum (Ingots, Slabs, T-bars, Sows), Alumina (Bulk), Fertilizers (Potash, Monoammonium Phosphate (MAP), Diammonium Phosphate (DAP), Ammonium Sulfate, Urea), Rubber Products (Pelletized, Shredded), Wood Products (Plywood, Timber, Chips, Pallets), Stone Refractory (Rock, Granite, Cement Clinkers), Miscellaneous (Ores, Alloys, Minerals), and Coal and Coke Products (Coal, Metallurgical Coke, Pitch, Petroleum Coke, Anode Butts). The facility proposes to discharge dry commodity barge / vessel washwater, coal and coke barge / vessel washwater and ballast water.

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B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II
3. Wastewater Type: II
4. SIC code: 4491

C. LOCATION - operating between Mississippi River mile markers 0 and 247, Plaquemines, St. Bernard, Orleans, Jefferson, St. Charles, St. John the Baptist, St. James, Ascension, Iberville, East Baton Rouge, and West Baton Rouge Parishes

based at 7 River Road in Jefferson, Jefferson Parish
Latitude 30° 16' 20", Longitude 90° 08' 27"

3. OUTFALL INFORMATION

Outfall 001

Discharge Type: dry commodity barge / vessel washwater
Treatment: none
Location: at the point of discharge from the barge/ship being washed
Flow: intermittent
Discharge Route: to the Mississippi River

Outfall 002

Discharge Type: coal and coke barge / vessel washwater
Treatment: none
Location: at the point of discharge from the barge/ship being washed
Flow: intermittent
Discharge Route: to the Mississippi River

Outfall 03A

Discharge Type: incoming ballast and void water from customer barges
Treatment: none
Location: at the point of discharge from the customer barge wing/void tanks
Flow: intermittent
Discharge Route: to the Mississippi River

Outfall 03B

Discharge Type: maintenance ballast and void water
Treatment: none
Location: at the point of discharge from the work barge wing/void tanks
Flow: intermittent
Discharge Route: to the Mississippi River

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4. RECEIVING WATERS

STREAM - Mississippi River

BASIN AND SEGMENT - Mississippi River Basin, Segment 070301

DESIGNATED USES -

- a. primary contact recreation
- b. secondary contact recreation
- c. propagation of fish and wildlife
- d. drinking water supply

5. TMDL STATUS

The discharges from Bertucci Industrial Services, LLC are to the Mississippi River, Subsegment 070301 of the Mississippi River Basin. Subsegment 070301 is not listed on LDEQ's Final 2006 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

6. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale below.

7. COMPLIANCE HISTORY/COMMENTS

1. WQMD - An inspection on March 29, 2007 noted no areas of concern.
2. DMR Review/Excursions - No exceedances in permit limits were noted. However, there were no DMRs on file at LDEQ for 2007, only 1 DMR was on file for 2006, and all DMRs for 2005 were marked no discharge.

8. EXISTING EFFLUENT LIMITS

Outfall 001: dry commodity barge / ship washwater

Based on BPJ and on permits for similar facilities, no effluent limitations are established for washwaters from barges previously containing dry commodities including: Grains, Food Additives and other Biological Feedstocks (Soybean Meal, Corn Gluten Feed Pellets, Expeller By Products, Corn Distiller Grain Meal, Beet Pulp Pellets, Soyhulls, Soyhull Pellets, Rice Bran, Peanut Meal, Corn, Soybeans, Rice, Oats, Fish Meal, Meat and Bone Meal, Wheat, Millet, Sorghum, Barley, Wheat Gluten), Pig Iron, Iron Ores to include Direct Reduced Iron (Sinter Feeds, Pellets, Briquettes, Ilmenite), Minerals (Fluorspar, Barite, Bauxite, Silica, Graphite, Manganese, Zinc, Limestone), Food Products (Sugar, Salt), Ferro Alloys (Ferro Manganese, Ferro Silicon, Silico Manganese, Ferro Chrome), Concentrates (Zinc, Lead, Copper), Scrap (Stainless, Ferrous), Aluminum (Ingots, Slabs, T-bars, Sows), Alumina (Bulk), Fertilizers (Potash, Monoammonium Phosphate (MAP), Diammonium Phosphate (DAP), Ammonium Sulfate, Urea), Rubber Products (Pelletized, Shredded), Wood Products (Plywood, Timber, Chips, Pallets), Stone Refractory (Rock, Granite, Cement Clinkers), Miscellaneous (Ores, Alloys, Minerals). Best Management Practices (BMPs) for barge operations are listed in Part II.

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Outfall 002: coal and coke barge / ship washwater

Pollutant	Monthly Average	Daily Maximum	Frequency
Flow	Report	Report	1/week
TSS	Report	Report	1/month
COD	250 mg/L	400 mg/L	1/week
pH Min/Max Values	6.0 (min)	9.0 (max)	1/week

Outfall 03A: incoming ballast and void water from customer barges

Outfall 03B: maintenance ballast and void water

Pollutant	Monthly Average	Daily Maximum	Frequency
Flow	Report	Report	1/week
COD	---	250 mg/L	1/week
Oil & Grease	---	15 mg/L	1/week
pH Min/Max Values	6.0 (min)	9.0 (max)	1/week

Sampling for Outfall 03B is only required if a visible oil sheen is present.

The measurement frequency for Outfall 03B for the discharge of maintenance ballast water shall be 1/month whenever sampling is required instead of 1/week as stated above.

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, has been identified by the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which are listed as an endangered species. LDEQ has not submitted this draft permit to the FWS for review in accordance with a letter dated October 24, 2007 from Boggs (FWS) to Brown (LDEQ). As set forth in the Memorandum of Understanding between the LDEQ and the FWS, and based on information provided by the FWS, LDEQ has determined that the issuance of the LPDES permit is not likely to have an adverse effect upon the Pallid Sturgeon and migratory waterfowl. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

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12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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Rationale for Bertucci Industrial Services, LLC

1. Outfall 001: dry commodity barge / vessel washwater

Based on BPJ and on permits for similar facilities, no effluent limitations are established for washwaters from barges previously containing dry commodities including: Grains, Food Additives and other Biological Feedstocks (Soybean Meal, Corn Gluten Feed Pellets, Expeller By Products, Corn Distiller Grain Meal, Beet Pulp Pellets, Soyhulls, Soyhull Pellets, Rice Bran, Peanut Meal, Corn, Soybeans, Rice, Oats, Fish Meal, Meat and Bone Meal, Wheat, Millet, Sorghum, Barley, Wheat Gluten), Pig Iron, Iron Ores to include Direct Reduced Iron (Sinter Feeds, Pellets, Briquettes, Ilmenite), Minerals (Fluorspar, Barite, Bauxite, Silica, Graphite, Manganese, Zinc, Limestone), Food Products (Sugar, Salt), Ferro Alloys (Ferro Manganese, Ferro Silicon, Silico Manganese, Ferro Chrome), Concentrates (Zinc, Lead, Copper), Scrap (Stainless, Ferrous), Aluminum (Ingots, Slabs, T-bars, Sows), Alumina (Bulk), Fertilizers (Potash, Monoammonium Phosphate (MAP), Diammonium Phosphate (DAP), Ammonium Sulfate, Urea), Rubber Products (Pelletized, Shredded), Wood Products (Plywood, Timber, Chips, Pallets), Stone Refractory (Rock, Granite, Cement Clinkers), Miscellaneous (Ores, Alloys, Minerals). Best Management Practices (BMPs) for barge operations are listed in Part II.

2. Outfall 002: coal and coke barge / vessel washwater

<u>Pollutant</u>	<u>Limitation</u> Mthly Avg: Daily Max (mg/l)	<u>Reference</u>
Flow-MGD	Report: Report	LAC 33:IX.2701.1.1.b
COD	250:400	Similar Discharges; BPJ
TSS	Report: Report	Similar Discharges; BPJ
pH	6.0 - 9.0 s.u.	Similar Discharges; BPJ

BPJ Best Professional Judgment

Treatment: none

Monitoring Frequency: TSS shall be observed once per month and Flow, COD and pH shall be observed once per week at the point of discharge from the barge/ vessel being washed.

Limits Justification: Limits and Monitoring Frequency are based on current guidance for similar discharges from other facilities.

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3. **Outfall 03A:** incoming ballast and void water from customer barges
Outfall 03B: maintenance ballast and void water

<u>Pollutant</u>	<u>Limitation</u> Mthly Avg: Daily Max (mg/l)	<u>Reference</u>
Flow-MGD	Report: Report	LAC 33:IX.2701.1.1.b
COD	---:250	Similar Discharges; BPJ
Oil and Grease	---:15	Similar Discharges; BPJ
pH	6.0 - 9.0 s.u.	Similar Discharges; BPJ

BPJ Best Professional Judgment

Treatment: none

Monitoring Frequency: Flow, COD, Oil & Grease and pH shall be observed once per week at the point of discharge from the incoming customer barge/vessel.

*The measurement frequency for Outfall 03B for the discharge of maintenance ballast and void water shall be 1/month whenever sampling is required.

Limits Justification: Limits and Monitoring Frequency are based on current guidance for similar discharges from other facilities.

This facility is not subject to Effluent Limitations Guidelines for Transportation Equipment Cleaning, 40 CFR Part 442, because, in accordance with 40 CFR 442.1.a, "this part applies to discharges resulting from cleaning the interior of tanks used to transport chemical, petroleum or food grade cargos." This facility does not clean tanks. Only barges and ships containing dry commodities are cleaned.

Storm Water Pollution Prevention Plan (SWP3) Requirement

As per LAC33:IX.2341.B.14.k, stormwater discharges from facilities classified as SIC Codes 4491 are considered to be associated with industrial activities and accordingly require SWP3 requirements. However, an SWP3 is not included in the permit because the facility is a water related operation only. Barge BMPs are comparable to the SWP3 requirements; therefore, the barge BMPs will be applied instead.